

QUALITY CLAUSES

DOC NO	REV	REVISED	TITLE / INFO
QC 01.A	A5	10/7/11	CHEMICAL/PHYSICAL MATERIAL CERTIFICATION & CERTIFICATE OF CONFORMANCE
			<p>A material certification is required with each shipment and shall include:</p> <ul style="list-style-type: none"> Conax purchase order number must appear on face of C of C, Purchase order number traceable to material manufacturer, Specification to which material complies, Actual data on chemical / physical properties, Heat, Slab, Melt, Batch or lot number traceability (as applicable), Date of shipment or packing list number, Conax part number / assembly number, Conax drawing revision, Serial number listing of all parts (as applicable), Signature and authority of signing official, Certifications required for Special Processes as applicable. <p>(NOTE: Certifications will be compared to specification requirements at Conax Florida.)</p>
QC 01.B	A5	10/7/11	MATERIAL CERTIFICATION & CERTIFICATE OF CONFORMANCE – Obsolete (combined with QC 01.A)
VOID			
QC 01.C	A4	10/9/08	"SPECIALIZED MATERIAL" CERTIFICATION & CERTIFICATE OF CONFORMANCE
			<p>A material certification is required with each shipment and shall include;</p> <ul style="list-style-type: none"> Conax purchase order number must appear on the face of the C of C, Supplier purchase order number traceable to material manufacturer, The specifications or description to which material complies i.e., MIL-Specs, ASTMs, etc.), Date of shipment or packing list number, Conax part number / assembly number, Conax drawing revision, Serial number listing of all parts (as applicable), Signature and authority of signing official, Date of shelf life items when applicable, Certifications required for Special Processes as applicable. <p>(NOTE: Certifying to the drawing does not satisfy the requirements of this clause.)</p>
QC 01.D	A5	10/7/11	MATERIAL CERTIFICATION & CERTIFICATE OF CONFORMANCE – Obsolete (combined with QC 01.E)
VOID			

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DOC NO	REV	REVISED	TITLE / INFO
QC 01.E	A5	10/7/11	RUBBER/PLASTIC – NON-METALLIC MATERIAL CERTIFICATION & CERTIFICATE OF CONFORMANCE
			<p>A material certification is required with each shipment and shall include:</p> <ul style="list-style-type: none"> Conax purchase order number must appear on face of C of C, Purchase order number traceable to material manufacturer, Specification or description to which material complies, Lot or Batch number, Actual batch test data (including compression set tests applicable), Cure date, Date of shipment or packing list number, Signature and authority of signing official, Date of shelf life items when applicable, Certifications required for Special Processes as applicable. <p>All sampling as a minimum shall be General Level II, AQL 1.0, ACC. 0 REJ. 1, per ANSI/ASQC Z1.4-1993.</p>
QC 01.F	A2	3/25/11	GENERAL CERTIFICATE OF CONFORMANCE
			<ul style="list-style-type: none"> Conax purchase order number must appear on face of C of C, Supplier's purchase order number must appear on face of C of C, if applicable, Signature of authority or signing official, Date of shelf life items when applicable, Serial number listing of all parts (as applicable),
QC 02	A2	10/7/11	MATERIAL VERIFICATION – Obsolete (no replacement)
VOID			
QC 03	A2	10/7/11	PROCESS CERTIFICATION
Plating			<p>A process certification is required with each shipment and shall include:</p> <ul style="list-style-type: none"> Process specification identification and revision to which the material complies (i.e., anodize, passivation, etc.), Conax purchase order number, Serial number listing of all parts (as applicable), Supplier purchase order number traceable to the sub-contracted services for special processes when applicable, A copy of the sub-contracted services for special processes when applicable - sub-tier supplier operations must be traceable, Date of shipment or shipping list number, Signature and authority of signing official. <p>(NOTE: Certifying to the drawing does not satisfy the requirements of this clause.)</p>

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QC 04	A3	10/7/11	CERTIFICATE OF INSPECTION – Obsolete (no replacement)
VOID			
QC 05	A5	10/7/11	ISO-9001-2000 / AS9100 Quality System Supplier shall, as a minimum, satisfy the requirements of: ISO 9001-2000, AS9100, or other Conax approved Quality system, and ISO 10012-1 or ANSI/NCSL Z540-1 for calibration. Supplier does not have authority to ship non-conforming parts or items fabricated for Conax Florida unless authorized in writing by Conax Florida Quality Assurance Director. Supplier requests for approval of non-conforming items shall be submitted, in writing, to Conax Florida Purchasing. All pertinent information and associated corrective action are required for Material Review Activity by Conax. Non-conforming materials are to be packaged separately and identified to the approved authorization.
QC 06	A3	8/18/04	INSPECTION & CALIBRATION SYSTEM Vendor shall, as a minimum, satisfy the requirements of: AS9003 (Inspection & Test Quality System) and ISO 10012-1 or ANSI/NCSL Z540-1.
QC 07	A3	10/7/11	1st ARTICLE & SOURCE INSPECTION – Obsolete (combined with QC 29.C)
VOID			
QC 08	A3	10/7/11	1st ARTICLE INSPECTION – Obsolete (replaced with QC 29.C)
VOID			
QC 09	A2	10/7/11	SOURCE INSPECTION – Obsolete (replaced with QC 29.C)
VOID			
QC 10	A1	2/26/08	GOVERNMENT SOURCE INSPECTION Government inspection is required prior to shipment from your plant. Upon receipt of this order; promptly notify the Government Representative whom normally services your plant so that appropriate planning for Government Inspection can be accomplished.
QC 11	A4	10/7/11	CALIBRATION SYSTEM – Obsolete (combined with QC 05)
VOID			
QC 12	A1	2/26/08	EXPLOSIVE SAFETY Supplier is required to comply with DOD-4145.26M. Safety manual for ammunition, explosives and related dangerous materials (in accordance with DFAR 252.223.7001).

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DOC NO	REV	REVISED	TITLE / INFO
QC 13	A1	2/26/03	AMMO DATA CARD
			Ammo Data Cards per MIL-STD-1167 to be supplied with each shipment. Initiator/Primer Lot Number per MIL-STD-1168.
QC 15	A1	2/26/03	ESD HANDLING
			Electrostatic Discharge handling, packaging, and packing requirements apply to this Purchase Order.
QC 16	A2	10/7/11	INSPECTION REQUIREMENTS – Obsolete (combined with QC 05)
VOID			
QC 17	A2	10/7/11	QCI-128 - LIMITED MRB – Obsolete (no replacement)
VOID			
QC 18	A2	10/7/11	QCI-128 - FULL MRB – Obsolete (no replacement)
VOID			
QC 19	A1	2/26/03	NOTIFY GOVERNMENT
			Upon receipt of this order, promptly furnish a copy to the Government Representative who normally services your plant, or if none, to the nearest Army, Navy, Air Force or Defense Supply Agency Inspection Office. In the event the Representative cannot be located, our Purchasing Agent should be notified immediately.
QC 23	A2	10/7/11	1st ARTICLE & DOCUMENTATION – Obsolete (replaced with QC 29.C)
VOID			
QC 24	A2	10/7/11	S.P.C. APPLIES (PLAN REQ'D) – Obsolete (combined with QC 25)
VOID			
QC 25	A2	10/7/11	S.P.C. APPLIES (DATA ONLY)
			Statistical Process Control data (Control charts required with each shipment, with explanation of the variable or attribute monitored). SPC Plan must be approved by Conax prior to production.
QC 26	A2	10/7/11	DESIGN CONTROL – Obsolete (no replacement)
VOID			

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QC 27	A1	2/25/03	PS-031
			PS-031 applies to this order.
QC 28	A2	10/7/11	SOFTWARE CONTROL – Obsolete (combined with QC.05)
VOID			
QC 29.A	A1	2/25/03	LAYOUT 1 PC COMPLETE
			The supplier will submit 100% dimensional data (actuals) on one piece of each lot of manufactured product(s). This one piece, with data, should accompany each lot's deliverable shipment and be identified accordingly.
QC 29.B	A1	2/25/03	LAYOUT 1 PC COMPLETE
			The supplier will submit 100% dimensional data (actuals) on one piece of each lot of manufactured product(s). This one piece, ballooned print, dimensional Inspection Report Form(s) is required to accompany each lot's deliverable shipment and be identified accordingly. Minimum Inspection Report data requirements are as follows: Copy of ballooned print, Completed Conax-supplied Inspection Report Form(s) - data entries must include the following as a minimum - (in addition to part/serial number, part name, drawing rev, company name, PO #, etc.), Sequence No. (to match balloon numbers on print), Zone identification for measurement from print, Drawing dimension & tolerance or print note, Actual dimension, Inspection Tool or Inspection/Method used, Accept or Reject Identification for each measurement, Stamped, Signed and Dated by approving authority.
QC 29.C	A1	10/7/11	1 st ARTICLE & SOURCE INSPECTION
			Conax Source Inspection is required for First Article <u>prior</u> to production. Notify Purchasing three (3) days in advance of units being ready for inspection.

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QC 29.D	A1	12/15/11	FIRST ARTICLE – PURCHASED PARTS
			Per SAE AS9102, First Article Inspection (FAI) is required for the following: a. First time part has been produced (includes initial release of a part/assembly or the first time the supplier has produced the part/assembly). b. A change in manufacturing source(s) or location. c. A change in process(es), inspection methods, tooling or materials that can potentially affect fit, form or function. d. Design changes that affect fit, form or function. e. A lapse in production for two years or as specified by Conax. Contact Conax Supply Chain and Quality if receipt of purchase order has exceeded two years from a previous purchase order for a specific part number. f. FAI will be completed per all the requirements in QC 29.B. Note: Unless otherwise specified, COTS parts are exempt.
QC 30	A1	2/26/03	FAA NOTICE
			For ALL F.A.A. PRODUCTS all suppliers, including proprietary products, are hereby advised that their inspection system and products supplied are subject to inspection by the Federal Aviation Authority. NOTE: Q.A. AND PURCHASING MANAGERS WILL REVIEW AND APPROVE THE USAGE OF CLAUSE 30.
QC 31	A2	3/25/11	OUTSIDE CHEMICAL AND PHYSICAL ANALYSES
			Actual Chemical and Physical Analyses of the material being used is required from an outside independent laboratory, from the material supplier(s).
QC 32	A2	10/7/11	CLAUSE 30 APPROVAL – Obsolete (no replacement)
VOID			
QC 33	A1	2/26/03	PRATT & WHITNEY REQUIREMENTS
			For Pratt & Whitney end use, all parts must meet all applicable Pratt & Whitney and Conax Purchase Order requirements.
QC 34	A5	10/7/11	PROCESS CHANGE CONTROL
			The supplier shall not permit changes to the manufacturing/assembly processes, materials, and procedures (including changing sub-tier suppliers). Any changes require approval by Conax Procurement and Quality prior to implementation. The approval process may require requalification of the hardware (at the supplier's cost) prior to implementation of the change. Such approval does not affect or waive applicable and/or acceptance requirements. Depending on Conax's customer's flowdowns, a First Article may be required prior to the production and/or manufacturing of parts or processes. The supplier shall also include the document number and revision number of the applicable manufacturing work instructions on the Certificate of Conformance or Certificate of Inspection.

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QC 35	A2	3/25/11	CONTAMINATION CONTROL
			Parts delivered under this clause to Conax Florida Corporation shall be free from oils and loose contamination. Parts shall also be individual packaged with bags that have been purged with nitrogen.
QC 36	A2	10/7/11	CLEANLINESS VERIFICATION – Obsolete (no replacement)
VOID			
QC 37.A	A3	10/7/11	LOT HOMOGENEITY – Obsolete (combined with QC 37.B)
VOID			
QC 37.B	A3	10/7/11	SINGLE LOT CONTROL/LOT HOMOGENEITY
			A lot, identified by a single Purchase Order, shall be manufactured from materials from a single heat, melt, or blow. A lot is defined as a quantity that has been blended, mixed, or fabricated during an uninterrupted manufacturing run by the same personnel. Each batch or lot shall be properly identified with the assigned lot number. Traceability shall be maintained by the supplier of the hardware.
QC 38.A	A2	4/26/04	RETENTION OF MANUFACTURING & TEST RECORDS
			Seller shall maintain records of manufacturing and all acceptance tests accomplished in performance of this order. This includes both in-process acceptance tests and final acceptance tests. Copies of such records shall be provided upon request, for a period of ten (10) years after final delivery of the items specified herein for delivery.
QC 38.B	A2	4/26/04	RETENTION OF MANUFACTURING & TEST RECORDS
			Seller shall maintain records of manufacturing and all acceptance tests accomplished in performance of this order. This includes both in-process acceptance tests and final acceptance tests. Copies of such records shall be provided upon request, for a period of fifteen (15) years after final delivery of the items specified herein for delivery. As an alternative, the supplier may provide 2 copies of the records electronically in .PDF file format and Conax will maintain.
QC 38.C	A2	4/26/04	RETENTION OF MANUFACTURING & TEST RECORDS
			Seller shall maintain records of all acceptance tests accomplished in performance of this order. This includes both in-process acceptance tests and final acceptance tests. Copies of such records shall be provided upon request, for a period of twenty (20) years after final delivery of the items specified herein for delivery. As an alternative, the supplier may provide 2 copies of the records electronically in .PDF file format and Conax will maintain.
QC 39	A2	10/7/11	MATERIAL REVIEW AUTHORITY
			The seller shall not use the dispositions "Use As Is" or "Repair" on deliverable hardware without specific written authorization from Conax Quality and Procurement.

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QC 40	A1	2/10/05	FOREIGN OBJECT DAMAGE (FOD) PREVENTION-QUALITY ASSURANCE
			The Supplier shall establish and maintain an effective Foreign Object Damage (FOD) prevention Program to reduce FOD using NAS412 as a guideline. The Supplier's program shall utilize effective FOD prevention practices. The program shall be proportional to the sensitivity of the design of the product(s) to FOD, as well as to the FOD generating potential of the manufacturing methods. The written procedures or policies developed by the Supplier shall be subject to review and audit by the Buyer and/or government representative and disapproval when the Supplier's procedures or policies do not accomplish their objectives.
QC 41	A1	2/10/05	NON-CONFORMING MATERIAL RECORDS SUBMITTAL
			The Supplier shall forward to Conax, all documents associated with any discrepancy, rejection, scrap, or any other form of non-conformance, whether incurred at receiving inspection, in-process or final acceptance, generated during the processing of the purchased parts or processes; this includes flowdown to all sub-contracts used on Conax issued purchase orders. The Non-Conforming Material records are to be submitted with each shipment. If there were no non-conformances during the processing of the purchase order, the seller shall state explicitly on the Certificate of Conformance.
QC 42.A	A2	10/7/11	FAILURE NOTIFICATION
			The Seller shall notify Conax Quality and Procurement within 2 business days of a failure at LAT. All testing must stop immediately with the <u>test equipment and LAT hardware quarantined</u> . The Seller must submit failure analysis rational and determine if the event is due to testing, process, or product. The <u>LAT testing process may continue</u> and/or release the test equipment once Conax provides concurrence.
QC 42.B	A2	10/7/11	FAILURE NOTIFICATION
			The Seller shall notify Conax Quality and Procurement within 2 business days of a failure at IAT or LAT. All testing must stop immediately with the <u>test equipment and IAT/LAT hardware quarantined</u> . The Seller must submit failure analysis rational and determine if the event is due to testing, process, or product. The IAT or LAT testing process may continue once Conax provides concurrence. A Failure Review Board (FRB) containing members from the Seller, Conax (and possibly Conax's customer) may be established to investigate and determine the appropriate course of action.
QC 43	A3	10/7/11	PREFERENCE FOR DOMESTIC SPECIALTY METALS
			All Conax Florida Corporation sub-contractors/suppliers shall include (flow down) to all their suppliers of specialty metals as defined by DFARS 252-225-(7008,7009). Supplier must state on Certificate of Compliance: "The parts and materials containing specialty metals for this purchase order are compliant to DFARS 252.225-(7008,7009). The country of melt is: _____."
QC 44.A	A1	7/18/08	SPECIAL PROCESSES - BOEING
			All special processes from suppliers and subtiers must be performed by Boeing approved suppliers.

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DOC NO	REV	REVISED	TITLE / INFO
QC 44.B	A2	5/28/10	SPECIAL PROCESSES - BOEING
			Changes in location and/or different Supplier (subtier) for special process are not allowed from what was performed on the previous production lot. Supplier change request must be submitted to Conax for written approval.
QC 45.A	A1	7/18/08	SPECIAL PROCESSES - LOCKHEED MARTIN
			All special processes from suppliers and subtiers must be performed by Lockheed Martin approved suppliers.
QC 45.B	A2	5/28/10	SPECIAL PROCESSES - LOCKHEED MARTIN
			Changes in location and/or different Supplier (subtier) for special process are not allowed from what was performed on the previous production lot. Supplier change request must be submitted to Conax for written approval.
QC 46.A	A1	7/18/08	SPECIAL PROCESSES - RAYTHEON
			All special processes from suppliers and subtiers must be performed by Raytheon approved suppliers.
QC 46.B	A2	5/28/10	SPECIAL PROCESSES - RAYTHEON
			Changes in location and/or different Supplier (subtier) for special process are not allowed from what was performed on the previous production lot. Supplier change request must be submitted to Conax for written approval.
QC 47.A	A1	7/18/08	SPECIAL PROCESSES - JPL
			All special processes from suppliers and subtiers must be performed by JPL approved suppliers.
QC 47.B	A2	5/28/10	SPECIAL PROCESSES - JPL
			Changes in location and/or different Supplier (subtier) for special process are not allowed from what was performed on the previous production lot. Supplier change request must be submitted to Conax for written approval.
QC 48.A	A1	7/18/08	SPECIAL PROCESSES - PRATT & WHITNEY
			All special processes from suppliers and subtiers must be performed by Pratt & Whitney approved suppliers.
QC 48.B	A2	5/28/10	SPECIAL PROCESSES - PRATT & WHITNEY
			Changes in location and/or different Supplier (subtier) for special process are not allowed from what was performed on the previous production lot. Supplier change request must be submitted to Conax for written approval.

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DOC NO	REV	REVISED	TITLE / INFO
QC 49	A1	8/14/09	REMOVED PER EO 47176
QC 50	A1	2/23/10	BERRY AMENDMENT COMPLIANCE All Conax Florida Corporation subcontractors/suppliers shall comply with the Berry Amendment (as applicable) as defined by Defense Federal Acquisition Regulation Supplement (DFARS 225.7002 Restrictions on clothing, fabrics, specialty metals, and hand or measuring tools.). The Berry Amendment (BA) requires preference to domestically grown, reprocessed, reused, or produced items related to textiles (clothing, threads, fabrics) and hand or measuring tools on procurements. The Berry Amendment compliance must be explicitly stated on the Certificate of Conformance.
QC 51	A2	8/19/10	PURE TIN COMPLIANCE Please provide certificate for the following: All products on this PO that require solder, platings, coatings, and claddings shall comply with the following: a) Material composition less than 97% tin by weight b) Tin alloy with composition of greater than 3% lead by weight Please contact Conax Florida Buyer immediately if either: (1) there is a conflict between the need for tin/lead and the manufacturer's part number stated on Conax Florida drawing, (2) the manufacturer's part number is not available (do not substitute without prior approval).
QC 52.A	A1	5/28/10	SPECIAL PROCESSES - UNITED LAUNCH ALLIANCE (ULA) All special processes from suppliers and subtiers must be performed by United Launch Alliance (ULA) approved suppliers.
QC 52.B	A1	5/28/10	SPECIAL PROCESSES - UNITED LAUNCH ALLIANCE (ULA) Changes in location and/or different supplier (subtier) for special process are not allowed from what was performed on the previous production lot. Supplier change request must be submitted to Conax Florida for written approval.
QC 53.A	A1	2/22/11	SUPPLY CHAIN TRACEABILITY FOR COMMERCIAL ELECTRONIC COMPONENTS Acquisition traceability from original manufacturer required. Specify supply chain traceability that identifies the name and location of all the supply chain intermediaries from the part manufacturer to the direct source of the product for the seller. Documentation should identify the manufacturer, distributor to whom the parts were supplied, purchase order number, part number and quantity. The chain of packing lists and/or procurement documents may be used to establish the supply chain intermediaries. Date Code information may be provided whenever possible but is not required. Reference SAE AS5553 Aerospace Standard for Counterfeit Electronics Parts; Avoidance, Detection, Mitigation and Disposition, Appendix C - C.3.1

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DOC NO	REV	REVISED	TITLE / INFO
QC 53.B	A1	2/22/11	SUPPLY CHAIN TRACEABILITY FOR MILITARY ELECTRONIC COMPONENTS
			Acquisition traceability from original manufacturer required. For military parts a manufacturer cert to a specific military or aerospace standard shall be supplied with the parts at time of shipment. Specify supply chain traceability that identifies the name and location of all the supply chain intermediaries from the part manufacturer to the direct source of the product for the seller. Documentation should identify the manufacturer, distributor to whom the parts were supplied, purchase order number, part number, quantity and date code. The chain of packing lists and/or procurement documents may be used to establish the supply chain intermediaries. Reference SAE AS5553 Aerospace Standard for Counterfeit Electronics Parts; Avoidance, Detection, Mitigation and Disposition, Appendix C - C.3.2
QC54	A1	10/7/11	SPECIAL PROCESS SUPPLIERS
			All Special Process Suppliers, including but not limited to, Heat Treat, Plating/Coatings, Welding and NDT, must be NADCAP certified. Contact Cobham Purchasing prior to processing hardware to verify compliance.